

# Knowledge-Based Control Systems

## Changelog

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# 1 Introduction

This document keeps track of the changes/improvements between various versions of the lecture notes and the solutions to the exercises.

If you find mistakes, or if you have suggestions for improving the lecture notes or solutions, please send an email to [J.Kober@tudelft.nl](mailto:J.Kober@tudelft.nl).

Small rewards in the final grade of the course will be granted only to the first student that notifies a mistake, or only to the first that proposes a good suggestion for an answer.



## 2 Lecture Notes

### 19-07-2017

- Section 4.2.1. clarification on strict inequalities.
- Section 7.6.1. corrected indices.
- Unified notation of  $dt$ .
- A number of typographic fixes.

### 15-6-2017

- Section 1.5. updated info on MATLAB licence.
- Appendix B MATLAB highlighting.
- Fixed missing parentheses in Algorithm 4.2.
- Changed notation for “otherwise” in Algorithm 4.1 and 4.2, and adjusted notes in Section 4.3.2.

### 29-3-2017

- L<sup>A</sup>T<sub>E</sub>X fixes resulting in different formatting of references and some changed equation numbers.
- Cleaned up references.
- Unified notation of cardinality in Appendix A.
- Section 6.7. replaced dead link.

### 25-1-2017

- Section 9.4.6. has been rewritten.
- Updated course number and web links.
- New template.
- `hyperref` for click-able links in the document.

## January 2010

- Original lecture notes.

# 3 Solutions

## 19-07-2017

- Mistake in answer to Q9.2 fixed.
- Improved answers to Q2.2, Q2.3, Q2.6, Q2.7, Q3.3, Q3.6, Q4.2, Q5.1, Q5.2, Q6.4, Q7.1, Q7.4, Q7.5, Q8.2.
- Draft answers to Q4.1, Q4.4, Q5.3, Q5.4, Q5.5, Q6.3.

## 27-2-2017

- Added missing identity to Q2.8.

## 25-1-2017

- Updated Q9.4 to match updated lecture notes.
- New template.

## 8-3-2016

- Added answers to many questions.

## 12-1-2010

- Original solutions.